

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

KAWAKAMI et al.

Serial No.: 09/534,229

Filed: March 24, 2000

For: LOW TEMPERATURE EXPRESSION CHITINASE cDNAs AND
METHOD FOR ISOLATING THE SAME



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Group Art Unit: 1643

Examiner:

#3a
J. Brown
08/29/00

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

August 10, 2000

Sir:

Prior to calculation of the filing fee and prior to the examination of this application, please amend the above-identified application as follows:

IN THE CLAIMS:

Please cancel claims 1-11 and add the following claims:

Surge

- 12. (Added) A winter wheat-derived chitinase cDNA characterized in that said cDNA encodes a protein with chitinase activity at low temperatures.

13. (Added) A winter wheat-derived chitinase cDNA according to claim 12, characterized in that said cDNA comprises 771 nucleotides/256 amino acids and has 98% identity (on amino acid sequence level) with barley-derived chitinase cDNA.